PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: PEER2A

In re Application of:	)	Conf. No.:
PEER et al.	)	Art Unit:
Appln. No.: 10/553,319	)	Examiner:
Filed: October 17, 2005	)	Washington, D.C.
For: METHOD AN SYSTEM FOR USE IN OPTICAL CODE DIVISION MULTIPLE ACCESS	)	January 17, 2006

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building, Mail Stop Amendments
401 Dulany Street
Alexandria, VA 22314

Sir:

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application; and before the mailing date of a first office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 CFR §1.114.

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form BN/SB/08A/B) of all patents, publications, or other information submitted for consideration

by the office, either incorporated into this IDS or as an attachment hereto. Other than U.S. patent(s) and/or published U.S. application(s), which 37 CFR §1.98(a)(2)(ii) does not require to be filed unless specifically required by the Office, a copy of each document listed is attached.

[X] 3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

[X] 4. Other information being provided for the examiner's consideration follows:

Attached hereto is a copy of the International Search Report.

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK
Attorneys for Applicant(s)

By: _____
Allen C. Yun
Registration No. 37,971

ACY:pp
624 Ninth Street, N.W., Suite 300
Washington, D.C. 20001-5303
Telephone: (202)628-5197
Facsimile: (202)737-3528
G:\BN\C\cohn\Peer2A\pto\ids.fee.doc

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	10/553,319
Filing Date	October 17, 2005
First Named Inventor	PEER et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	PEER2A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-4,866,699	09-12-1989	BRACKETT et al.	
	AB	US-5,177,768	01-05-1993	CRESPO et al.	
	AC	US-5,867,290	02-02-1999	DUTT et al.	
	AD	US-6,236,483	05-23-2001	DUTT et al.	
	AE	US-2002/0163696	11-7-2002	HUANG et al.	
	AF	US-5,784,506	07-21-1998	PFEIFFER	
	AG	US-6,025,944	02-15-2000	MENDEZ et al.	
	AH	US-2003/0147655	08-07-2003	SHATTIL	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Number Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	AI	WO00/29887	05-25-2000	TEMPLEX TECHNOLOGY, INC.		

Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	10/553,319
Filing Date	October 17, 2005
First Named Inventor	PEER et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	PEER2A

NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
	AJ	L. Mandel and E. Wolf, Optical coherence and quantum optics, 22:1069-1108, Cambridge University Press (1995)	
	AK	G. D. Boyd and D. A. Kleinman, Parametric interaction of focused Gaussian light beams, *J. Appl. Phys.*, 39:3597-3639 (1968)	
	AL	T. G. Giallorenzi and C. L. Tang, Quantum theory of spontaneous parametric scattering of intense light, *Phys. Rev.*, 166:225-233 (1968)	
	AM	C. K. Hong and L. Mandel, Theory of parametric frequency down conversion of light, *Phys. Rev. A.*, 31:2409-2418 (1985)	
	AN	I. Abram, R. K. Raj, J. L. Oudar and G. Dolique, Direct observation of the second-order coherence of parametrically generated light, *Phys. Rev. Lett.*, 57:2516-2519 (1986)	
	AO	G. Bjork and Y. Yamamoto, Phase correlation in nondegenerate parametric oscillators and amplifiers: Theory and applications, *Phys. Rev. A.*, 37:1991-2006 (1988)	
	AP	B. Huttner, S. Serunik and Y. Ben-Aryeh, Quantum analysis of light propagating in a parametric amplifier, *Phys. Rev. A.*, 42:5594-5600 (1990)	
	AQ	I. Abram and E. Cohen, Quantum theory for light propagation in a nonlinear effective medium, *Phys. Rev. A.*, 44:500-517 (1991)	
	AR	A. Joobeur, B. E. A. Saleh, T. S. Larchuk and M. C. Teich, Coherence properties of entangled light beams generated by parametric down-conversion: Theory and experiment, *Phys. Rev. A.*, 53:4360-4371 (1996)	
	AS	A. M. Weiner, Femtosecond pulse shaping using spatial light modulators, *Rev. Sci. Instrum.*, 71:1929-1960 (2000)	
	AT	J. A. Salehi, A. M. Weiner and J. P. Heritage, Coherent ultrashort light pulse code-division multiple access communication systems, *Journal of Lightwave Technology*, 8:478-491 (1990)	
	AU	M. E. Marhic, Coherent optical CDMA networks, *Journal of Lightwave Technology*, 11:854-863 (1993)	

Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

Complete if Known	
Application Number	10/553,319
Filing Date	October 17, 2005
First Named Inventor	PEER et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	PEER2A

NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
	AV	H. P. Sardesai, C. C. Chang and A. M. Weiner, A femtosecond code-division multiple-access communication system test bed, *Journal of Lightwave Technology,* 16:1953-1964 (1998)	
	AW	H Fathallah, L. A. Rusch and S. LaRochelle, Passive optical fast frequency-hop CDMA communication system, *Journal of Lightwave Technology*, 17:397-405 (1999)	
	AX	M. Kavehrad, Optical code division-multiplexed systems based on spectral encoding of noncoherent sources, *Journal of Lightwave Technology*, 13:534-545 (1995)	
	AY	L. Nguyen, T. Dennis, B. Aazhang and J. F. Young, Experimental demonstrationof bipolar codes for optical spectral amplitude CDMA communication, *Journal of Lightwave Technology*, 15:1647-1653 (1997)	
	AZ	A. J. Mendez, R. M. Gagliardi, H. X. C. Feng, J. P. Heritage and J. M. Morookian, Strategies for realizing optical CDMA for dense, high-speed, long span, optical network applications, *Journal of Lightwave Technology*, 18:1683-1695 (2000)	
	BA	Natarajan, B. et al., High-performance MC-CDMA via carrier interferometry codes, *IEEE Trans. Veh Tech.*, 50(6)1344-1353 (Nov. 2001)	
	BB	Pe'er Avi et al., Optical direct sequence spread spectrum and code division multiplexing using broadband, parametrically generated light, *Journal of Lightwave Technology*, 22(6)1-9 (June 2004)	

Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.